

File No.

T. 12E R. 23E

DUPLICATE

County

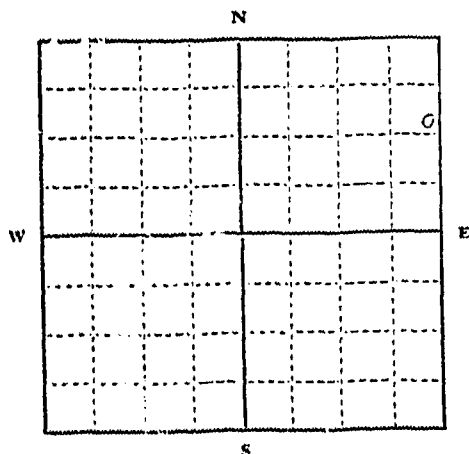
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. B. R. Hedrick of Stamper (Name of Appropriator) (Address) (Town)

County of Beauregard State of Mont.
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NE Sec. 7 T. 16. R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1937

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1/2

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal at the place

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater

8. The depth of water table 10 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 2 ft deep water pump

10. The estimated amount of groundwater withdrawn each year 500,000

11. The log of formations encountered in the drilling of each well if available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner B. R. Hedrick

Date Dec 30 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

40694

699

J. R. HEDRICK

NEA/NEA Sec. 8-16-13

State of Montana
County of Judith

Filed this 31st day of
December A.D. 1965 at 2:10
A.M.

Disruptive behavior

County Clerk.

STATE WATER CONTAMINATION BOARD

JAN 7 1966

McDonough _____
Bitt _____
Bitt _____
Coffey _____
Finn _____
Finn _____

GW3

File No.

T. 16 R. 13

DUPLICATE

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1911

Owner Bert E. Hedrick Address Stanford, Montana

Contractor (if any) None

Address of Contractor None

Date Started - - - - Date Completed - - - -

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water flows from Spring by pipe and is pumped into a house by means of an electric pump. This water is also used for stock water.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use

Spring flows approximately 10 gallons of water per minute.

Spring in continuous use.

Signature of Owner Bert E. Hedrick

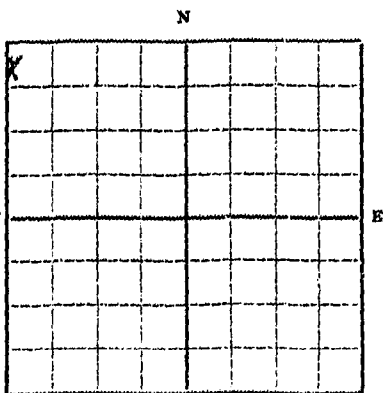
Date Jan. 11th, 1962.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.



NW 1/4 NW 1/4
1/4 Sec. 8 T. 16 R. 13

Indicate point of appropriation and place of use, if possible.

Doc. No. 118747

NOTICE OF COMPLETION
of groundwater appropriation
without well

SPRING IN NE¹/₄ Sec. 8-16-13

STATE OF MONTANA
County of Judith Basin

Filed this 11th day of
January A. D. 1962 at 2:25 o'clock
P. M.

Del. J. L. Lohr
County Clerk.

Fee \$2.00 Paid.

GW

Approved Stock Form - State Publishing Co., Helena, Montana - 44887

File No.

T. 26 R. 12E

DUPLICATE

County.

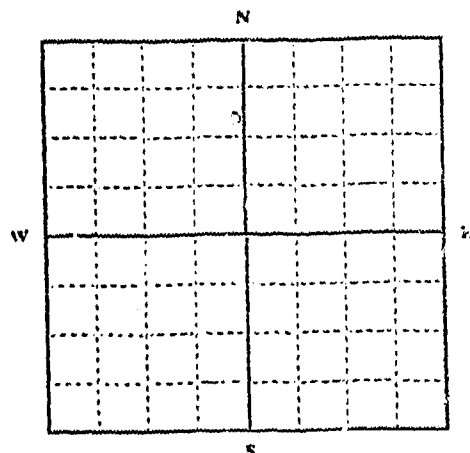
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Robert L. Smith, of Butte (Name of Appropriator) (Address) (Town)

County of Butte State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NW Sec. 9 T. 16 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1937
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Artesian
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
8. The depth of water table. 7 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 4 in
10. The estimated amount of groundwater withdrawn each year. 500,000
11. The log of formations encountered in the drilling of each well if available. None
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

Date Dec 30 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

4669

#700

J. R. HEDRICK

~~W/HE~~ Sec. 9-16-25

State of Montana
County of Judith Basin

Filed this 31st day of
December A. D. 1965 at 2:15
P.M.

Robert L. Baker
County Clerk.

STATE WATER CONSERVATION BOARD

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner W.L. Jackson

Address

Cotton Creek, W. 59424

Date well started Sept., 1971

completed Dec., 1972

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used rotary

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

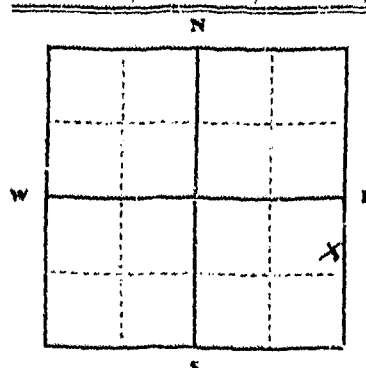
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
3 1/2"	2" Galv. pipe	0	1275	1/2 x 1/4" slots	1200	1275



NE 1/4 SE 1/4 Sec. 12

T. 16 N. R. 13 E.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature D. Thatcher - Office

Driller's Address Box 328

Stanford, Montana

LICENSE NO. 86

County Montana

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	18	Silt and gravel.
18	130	Blue gray shale & bentonite.
130	265	Blue silt. shale, bentonite & sand layers.
265	380	Hard s. stone layers, bentonite and shale.
380	570	Hard sandy blue shale.
570	661	Hard sandy blue shale w/ thin s. stone layers.
661	740	Blue shale.
740	940	Blue shale w/ sandy layers.
940	980	Hard blue gray sandy shale.
980	1003	Soft blue gray shale.
1003	1060	Gray shale w/ layers hard s. stone.
1060	1100	Alt. hard s. stone and layers gray shale.
1100	1115	Soft gray shale.
1115	1117	Soft red shale.
1117	1160	Sandy red shale, hard.
1160	1200	Red shale.
1200	1225	Red shale w/ layers s. stone and sandy shale.
1225	1250	Red shale and layers s. stone.
1250	1260	Red shale layers s. stone.
1260	1275	Soft coarse s. stone.
1275	1275	Hard s. stone.

1275' Show exact depth of bottom

54044

#770

DICKSON, W. L.

WELL APPROPRIATION

NE 1/4 Sec. 11,

Top 16, R 13

STATE OF MONTANA
County of Judith Basin

Filed for record this 27th
day of June A.D. 1973 at
3:00 p.m.

Delight Leslie Co. Clk

W. L. Dickson Deputy

File No.

T. 16 R. 13

TRIPPLICATE

County. Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

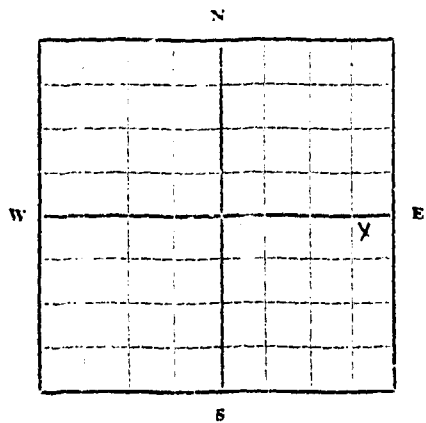
RECEIVED

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. William L. Dickson of Stanford
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 11 T. 16 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based House and stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Nov. 3, 1961
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started Oct. 30, 1961 completed Nov. 3, 1961
8. The depth of water table
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 145 feet deep cased with 4" plastic pipe
10. The estimated amount of groundwater withdrawn each year not known
11. The log of formations encountered in the drilling of each well if available
0 to 15 ft. silt and gravel
15 to 128 ft. blue shale and sandy layers
128 ft to 139 ft. hard sandstone and bentonite
139 to 145 ft. blue shale and sandstone
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
perforated pipe from 99 ft to 145 ft.
2 sacks cement with pipe at 20'

Signature of Owner

Date Jan. 18, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

2403.

W.W. #221

V. G. Rights
Wm. L. Dickson

WENESK Sec. 11-16-13
120687

State of Montana
County of Judith Basin

Filed for record this 18th
day of Jan. 1963 at 2:00 o'clock
P.M.

Delight Leslie, Clk. & Rec.

by Betty Crutten DEp.

Fee \$2.00

T 16 R 13
County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Oscar T. Anderson and Oscar T. Anderson, Jr. Address Stanford, Montana
Driller C. C. Thatcher Address Stanford, Montana
Date Started February, 1952 Date Completed February, 1952
Location: Sec. 14 T. 16 R. 13 1/4 sec. SW 1/4 SW 1/4

Type of well Drilled (Dug, driven, bored, or drilled) Equipment used Rotary (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 195 ft. Type Galvanized pipe Size 2 inches

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 175 to ft. 195 Ft. to ft.

Type of screen or perforations:

Static Water level, for non-flowing well: feet.

Shut-in pressure, for flowing well: 50 lb./sq. in. on: February, 1952 (date)

Pumping water level: feet at gal. per min.

How tested:

Length of test:

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Flowing well

(over)

T. 16 R. 13

County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Oscar T. Anderson and Oscar T. Anderson, Jr. Address Stanford, Montana

Driller O. C. Thatcher Address Stanford, Montana

Date Started Dec. 1953 Date Completed June, 1954

Location: Sec. 14 T. 16 R. 13 1/4 sec. NW 1/4 NW 1/4

Type of well Drilled Equipment used Rotary
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 1301 ft. Type Galvanized pipe Size 2 inches

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 1281 to ft. 1301 Ft. to ft.

Type of screen or perforations perforated casing

Static Water level, for non-flowing well: feet.

Shut-in pressure, for flowing well: 100 lb./sq. in. on: June, 1954
(date)

Pumping water level: feet at gal. per min.

How tested:

Length of test:

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Shut-off on the outside of well
and also by faucets in house.

(over)

File No. 2T. 16N R. 13E

DUPLICATE

County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level.....)

0 to 4 Top soil & clay
4 to 16 Grey shale layers bent.
16 to 108 Sandstone bent layers

108 to 112 Sandstone

112 to 146 Blue shale

146 to 163 Blue shale

sandy layers

163 to 172 Sandstone

172 to 187 Sandy blue shale

187 to 222 Blue shale

222 to 390 Blue shale thin

layers sandstone

390 to 412 Med hard sandstone

412 to 428 Soft sandstone (dug, driven, bored or

428 to 429 Very soft water drilled)

bearing sandstone.

429 to 435 med hard sandstone

435 to 478 Sandy grey shale

layers hard sandstone

478 to 500 Grey shale

sandy layers.

Owner Robert HungateAddress Stanford, Mont.Driller T & M Drilling Co.Address Stanford, Mont.

Date of Notice of Appropriation of Groundwater

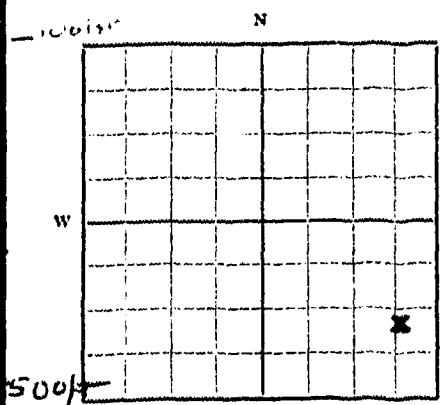
Date well started June 12 62 Date Completed June 25, 62Type of well DrilledEquipment Used Rotary

(Churn, drill, rotary or other)

Water Use: Domestic ☐Municipal ☐Stock ☒Irrigation ☐Industrial ☐Drainage ☐Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 1/2		0	200			
4 3/4		200	500			
	4 1/2 OD 6.75# Galv.	0	147			
	2" Galv.	147	500	Cemented 1 1/2"	420	500

SE 1/4 Sec. 15 T. 16N R. 13E

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well.....feet.

Shut-in Pressure for Flowing Well Not measuredPumping Water Level 100 feet at 4 gal. per minute.Discharge in gal, per min. of flowing well 3/4How Tested Sealed Length of Test 2 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of

acres irrigated, if used for irrigation) Packer setat 63 ft and cemented with mixture ofcement and water.Driller's License Number 87Driller's Signature M. M. Moran

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

3279

W.W. #212

Robert Hungate

WSESE Sec. 15-16-13

120602

State of Montana
County of Judith Basin

Filed for record this 28th
day of Dec. A.D. 1962 at 4:00
P.M.

Delight Leslie, Clk. & Rec.

by Betty Crabtree Dep.

Fee \$2.00 pd.

WELL

2

T. 16 R. 13

County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

+		

Owner Charles Nelson Address Stanford,

Driller O. C. Thatcher Address Stanford,

Date Started Nov. 26, 1957 Date Completed Nov. 26, 1957

Location: Sec. 15 T. 16 R. 13 1/4 sec. SW1 SW1

Type of well Drilled (Dug, driven, bored, or drilled) Equipment used Rotary (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 63 ft. Type Galvanized Size 2" pipe

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 42 to ft. 63 Ft. to ft.

Type of screen or perforations Drilled 2" galvanized pipe

Static Water level, for non-flowing well: feet.

Shut-in pressure, for flowing well: 12 lb./sq. in. on: Dec. 12, 1957 (date)

Flowing
Flowing water level at surface feet at 11 gal. per min.

How tested: gauge and measure

Length of test: 24 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Cemented with 1 sack of cement, at 42 ft. level

Water came in at 50-55 ft.

Gate Valve 6 ft., for shut-off.

(over)

Log of Well

[illegible]

Well # 1

T. 16 R. 13

County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

1			

Owner Charles Nelson Address Stanford

Driller O. C. Thatcher Address Stanford

Date Started Nov. 24, 1957 Date Completed Nov. 26, 1957

Location: Sec. 34 T. 16 R. 13 1/4 sec. 15

Type of well Drilled (Dug, driven, bored, or drilled) Equipment used Rotary Drill (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 115 ft. Type Galvanized Size 2" pipe

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 70 to ft. 90 Ft. to ft.

Type of screen or perforations Drilled 2" galvanized pipe

Static Water level, for non-flowing well: feet.

Shut-in pressure, for flowing well: 4 lb./sq. in. on: Dec. 10, 1957 (date)

flowing
pumping water level at surface feet at 2 gal. per min.

How tested: gauge and measure

Length of test 24 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

cemented 1 sack of cement at 95 ft. level

Water came in at 70--80 feet.

Gate Valve 6 ft. below surface. (Shut-off)

(over)

Log of Well

[illegible]

T 14 R 13

County of Franklin

RECEIVED
WATER CODE
JUN 16 1965

Groundwater STATE ENGINEER ins of Well

Top of Ground

(Elev. above sea level.....)

45 Crinoid stems

55 Blue shale

65 Blue shale with layers of bentonite

75 Blue shale with layers of bentonite

85 Sandstone, blue, and calcarenite & shale (laser.)

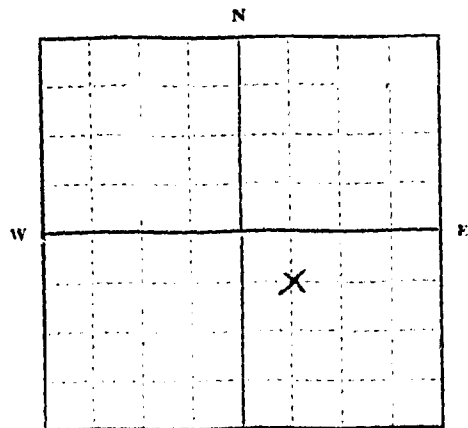
Driller Edw. Lintcher Address 1005 1st St. S.W.

Date well started 4-15-65 Date Completed 4-22-65

Water Use: Domestic ☒ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

☞ Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
	4" steel	0	20			
	2" PVC					
	plastic	0	95	4" x 2 slots	7 1/2 65	95



NE $\frac{1}{4}$ Sec. *15* T. *16* R. *13*
Indicate location of well and
place of use, if possible. Each
small square represents 10 acres.

Show exact depth of bottom.

Static Water Level for non-flowing Well.....feet.

Shut-in Pressure for Flowing Well.....15.155.....

Pumping Water Level.....feet at.....3.17 gal. per minute.

Discharge in gal. per min. of flowing well.....5.92.....

How Tested.....Length of Test.....

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).....

Broken out at 40' Connected with 35'

.....36
Driller's License Number

Edmund Thatcher
Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

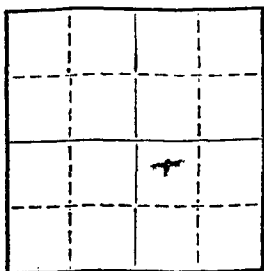
u of
39220

WELL

3

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG



Owner Charles Nelson Address Stanford,

Driller O. C. Thatcher Address Stanford,

Date Started Nov. 29, 1957 Date Completed Dec. 1, 1957

Location: Sec. 16 T. 16 R. 13 1/4 sec. SW 1/4 NE 1/4

Type of well Drilled (Dug, driven, bored, or drilled) Equipment used Rotary (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 30 ft. Type Galvanized Size 2" pipe

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 40 to ft. 60 Ft. to ft.

Type of screen or perforations Drilled 2" galvanized pipe

Static Water level, for non-flowing well: feet.

Shut-in pressure, for flowing well: 2 lb./sq. in. on: Dec. 20, 1957 (date)

flowing
Pumping water level at surface feet at 3 gal. per min.

How tested: gauge and measure

Length of test 24 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Cemented with 1 1/2 sacks of cement at 40 ft level

Water came in at 72-80 feet

Shut-off gate valve at 6 ft. level.

(over)

[illegible][illegible]

File No.

T. 16 R. 13

DUPLICATE

County... Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

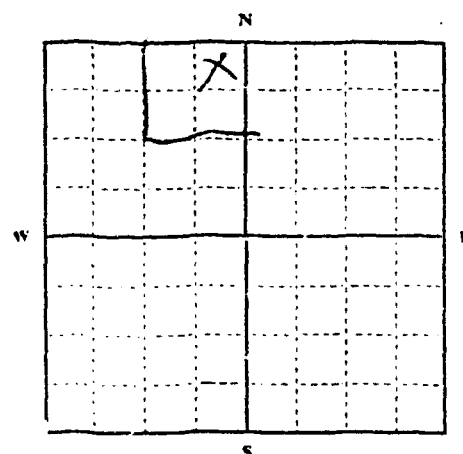
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

JAN 15 1964

STATE ENGINEER

1. A. E. Leland, of Stanford
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 NW 1/4

1/4 Sec. 18 T. 16 R. 13

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based stock water.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950 continuous.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) approximately 100 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Windmill and pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1950.
8. The depth of water table 70 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 375 feet dept of well. Pump well 8 inch diameter.
10. The estimated amount of groundwater withdrawn each year four hundred thousand gallons
11. The log of formations encountered in the drilling of each well if available No log.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

A. E. LelandDate Dec. 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32756

#480

VESTED GROUNDWATER RIGHTS

A. E. LELAND

NENW Sec. 18-16-13

State of Montana

County of Judith Basin

Filed for record this 31st
day of Dec. A. D. 1963 at
9:10 o'clock A.M.

Delight Leslie, Clk. & Rec.

by Betty Crutcher Dep.

19

T. 16 R. 13
County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner William Nelson Address Winham, Montana
Driller O. C. Thatcher Address Stanford, Montana
Date Started Sept. 24, 1956 Date Completed Sep. 30, 1956
Location: Sec. 19 T. 16 R. 13 1/4 sec. NE 1/4

Type of well Drilled (Dug, driven, bored, or drilled) Equipment used Rotary (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other:

Casing: Galvanized ft. to 475 ft. Type Size 7 1/2" 2"
Casing: ft. to ft. Type Size
Casing: ft. to ft. Type Size

Perforated or Screened: Ft. to ft. Ft. to ft.

Type of screen or perforations

Static Water level, for non-flowing well: 40 feet.

Shut-in pressure, for flowing well: lb./sq. in. on: (date)

Pumping water level: 140 feet at 12 gal. per min.

How tested:

Length of test

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

72' 2" Standard Galvanized well casing

5' Solid cement Drilled out to full 4' in hole
to end of casing and drilled out cement.

(over)

Log of Well

Depth, feet		Description of Material Drilled
From	To	
0	21½	Overburden
21½	69	Alternating layers of Buff colored shale and Bentonite. Water layers at 30-33 and 48-51 and with layers of
69	70	Hard Blue sandy shale.
70	95	Hard Blue sandy shale.
95	104	Hard Blue sandy shale.
104	107	Sandstone.
107	110	Soft blue shale.
110	125	Sandstone, hard and flaky.
125	132	Hard black sandstone.
132	164	Layers of sand and shale and bentonite.
164	173½	Bentonite.
173½	255	Sandstone and hard sandy shale, some soft shale.
255	259	Soft and hard blue sandy shale.
259	270	Alternating layers of hard sandstone and a soft bentonite type blue shale
270	328	Medium hard blue sandy shale.
328	383	Blue shale.
383	398	Alternating layers of sandstone and shale
398	404	Sandy shale.
404	409	Layers of sandstone and shale
409	415	Sandstone
415	422	Sandstone
422	445	Sandy shale
445	475	Sandstone.

19
T. 16 R. 13
County Butte

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

			X

Owner William Nelson Address Windham, Montana

Driller..... Address.....

Date Started 1910 Date Completed 1910

Location: Sec. 19 T. 16 R. 13 $\frac{1}{4}$ sec. NE₄ SE₂

Type of well..... Dug Equipment used..... Pick and shovel
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other:.....

Casing:..... ft. to..... ft. Type Wooden Size 6 x 6 x 6

Casing:..... ft. to..... ft. Type..... Size.....

Casing:..... ft. to..... ft. Type..... Size.....

Perforated or Screened: Ft..... to ft..... Ft..... to ft.....

Type of screen or perforations.....

Static Water level, for non-flowing well:..... 3 ft..... feet.

Shut-in pressure, for flowing well:..... lb./sq. in. on:..... (date)

Pumping water level..... will pump at least 100 Gal. Per hr. feet at..... gal. per min.
24 hrs. per day.

How tested:.....

Length of test.....

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Pump well

Depth 13 feet

(over)

[illegible][illegible]

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Edith N.

Owner Edith N. Nelson

Address 1000 1st St. Helena

Date well started April 2, 1972

completed May 2, 1972

Type of well drilled (Dug, driven, bored or drilled)

Equipment used rotary (Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

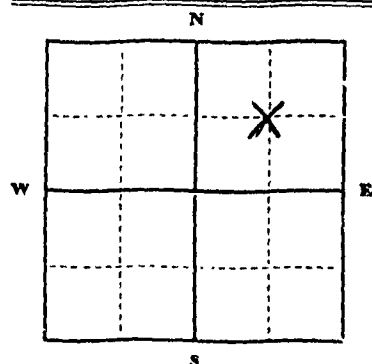
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
3 7/8"	galv. 2"	0	1252	Kind Size
	4" galv.	0	70'	From (Feet)
				To (Feet)



Static water levelft.*
Artesian watergallons per minute,
measuredminutes after pumping
began.

*Measured from ground level.

Well developed byhours.

Power..... Pump..... HP

Remarks: (Gravel packing, cementing, packers, type of shutoff)

72" of 1/2" galv. well casing cemented in.

Edith N.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Edward Thatch

Driller's Address Box 380

Stanford, Montana 59117

LICENSE NO. 36

16N 13E 19

County Beaumont

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

From (Feet)	To (Feet)	Top of Ground (Elev. above sea level)
0	60	Overburden
60	70	Light blue sandy shale w/ layers of bentonite
70	101	Dark blue sandy shale
101	107	Sandstone
107	110	Soft blue shale
110	125	Sandstone, hard & silty
125	130	Hard black sandstone
130	141	Layers sand, shale, bentonite
141	173	Bentonite
173	255	Sand, hard sandy shale, soft shale
255	269	Soft hard blue sandy shale
269	270	Layers hard sandstone, soft bentonite type blue shale
270	300	Red, hard blue sandy shale
300	303	Blue shale
303	400	Layers sand, & shale
400	422	Sandstone
422	445	Sandy shale
445	475	Sandstone
475	650	Blue shale w/ ss layers
650	830	Gray shale w/ ss layers
830	920	Red shale
920	1000	Red shale w/ ss layers
1000	1018	Red, hard ss
1018	1021	Soft ss
1021	1035	Hard ss
1035	1050	Sandy shale
1050	1220	Very hard ss
1220	1252	Alternating layers hard soft coarse ss. (water)

1252 Show exact depth of bottom

50,962

Department of Natural Resources and Conservation
Water Resources Division
Engineering Bureau
Groundwater Section
Sam W. Mitchell Building
Helena, Montana 59601

Owner Edith M. Nelson
Address Windham, MT 59488
Location T.16N R. 13E Sec. 19
Doc. No. _____

As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

Please provide the county filing information for the attached form.

Thank you.

We do not have the original of this Appropriation on file in our office.

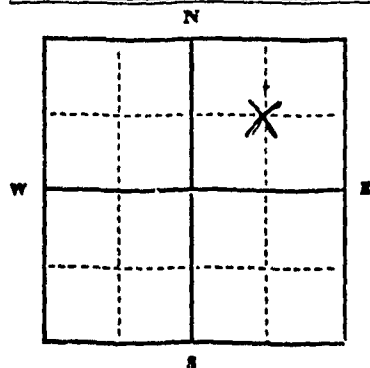
Margaret Barker
Deputy Clerk

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe _____
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). _____

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
3 7/8"	3 3/4" 50'	0	3252	2 1/2"	3252	3252
	4" galv.	0	70'			



Static water level _____ ft.*
Pumping water level _____ ft.*
at _____ gallons per minute,
measured _____ minutes after pumping began.
*Measured from ground level.
Well developed by _____
for _____ hours.
Power _____ Pump _____ HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) _____

1/4 Sec. _____
T. 16 N. R. 13 E. S. 19 W.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature *Edward Thatch*

Driller's Address _____

_____ LICENSE NO. _____

Show exact depth of bottom

50,962

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the **owner** with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Edith M.

Owner

Address _____

Date well started 1-1-72

completed 10-14-79

Type of well _____

(Dug, driven, bored or drilled)

Equipment used _____

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

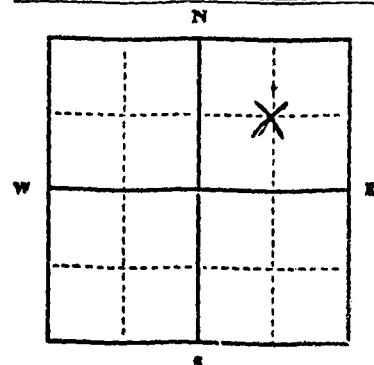
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

***Describe**

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
3 7/8"	2 1/2" galv.	0	1000	2 1/2"	1000	1000
	4" galv.	0	70'			



Static water levelft.*
Pumping water levelft.*
at gallons per minute,
measured minutes after pumping
began.

*Measured from ground level.

Well developed by ...
forhours.

Power..... Pump..... HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

..... $\frac{1}{4}$ $\frac{1}{4}$ Sec

T... R... E
S W

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature

Driller's Address

LICENSE NO.

County Butte

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

[illegible]

Show exact depth of bottom

50,962

Doc. No. _____
Filed for record
this _____ day of _____
A. D. 19_____, at _____
o'clock _____ M.

G. 1

File No.

DUPLICATE

T. 16 N. R. 13 E.

County. Judith Basin

RECEIVED
DEC 6 1963

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

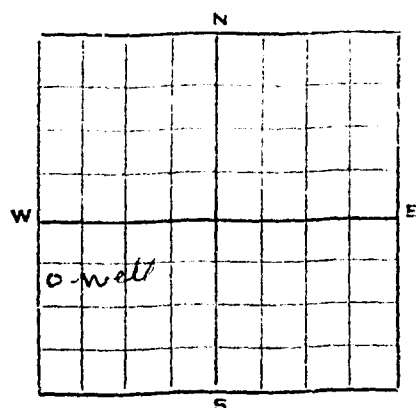
STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Ruth E. Heule of 2900 4th Ave. North
(Name of Appropriator) (Address) (Town)

County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 19 T. 16 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based for watering of stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1957 and used since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Lots of water. About 900 gallons per day used during summer months.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump and engine used to withdraw water. Well located NE 1/4 Sec. 19-16-13
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Aug. 1957
8. The depth of water table
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 27 foot dug well. Not cased
10. The estimated amount of groundwater withdrawn each year About 90,000 gallons
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Ruth E. Heule

Date November 20, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

#267

Vested Groundwater Rhts.
Ruth Houle

121872

State of Montana
County of Judith Basin
Filed for record this 27th
day of Nov. A.D. 1965 at 1:50
o'clock P.M.
Delight Leslie, Clerk and R.C.
by _____ Dep.

Fee \$2.00 pd.

File No. _____

JAN 10 1967

T. 16 R. 13

TRIPLICATE

County Judith Basin

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level _____)

1 Topsoil
5 Clay
17 Gravel
60 Sandy shale
95 Sandstone—ss.
240 Hard dark slaty
shale—layers of
Bentonite
340 Dark splintery shale
345 Hard white rock—
streaks bentonite
345 350 Hard sandy shale
350 400 White sandstone
Hard-water at 350
and 390

Notice of Completion of Groundwater
Appropriation by Means of Well

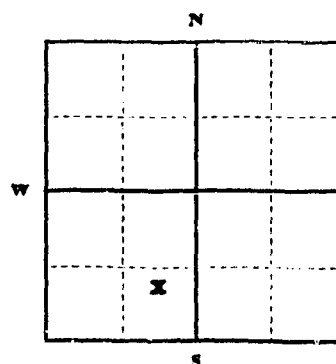
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Jack Deegan Address Winham, MontanaDriller George O. Singley Address Lawiatown, MontanaDate of Notice of appropriation of groundwater NoneDate well started Dec. 12, 1966 Date completed Dec. 28, 1966Type of well Drilled Equipment used Rotary
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7-7/8		0	21			
4-3/4		21	240			
3-7/8		240	400			
	6-5/8 OD 11 1/2 ID 1 1/2 Galv. above ground	1	21			
		400	400	4x4 slots	350	390



NW 1/4 Sec. 20 T. 16 R. 13
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Static Water Level for non-flowing well None feet.

Shut-in Pressure for Flowing Well 30

Pumping Water Level None feet

at None gal. per minute.

Discharge in gal. per min. of flowing well 25

How Tested Measured

Length of Test 10 minutes

Remarks: (Gravel packing, cementing, packers, type of shutoff) Sealed with cone packer and 20 sacks cement.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

10
Driller's License Number

Driller's Signature

41621

4. 709

John Deegan
Wincham, Mont.

State of Montana
County of Judith Basin
Filed for record this 5th
day of Jan. A. D. 1967 at 1:30 o'clock
P.M.
Delight Leslie, Clk. & Rec.
by R. C. G. [Signature] Dep

File No.

T. 16 R. 13

DUPLICATE

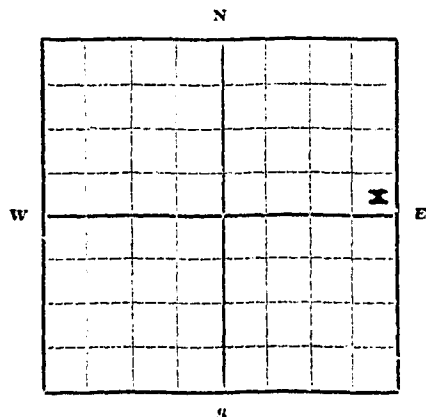
County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
NOV 21 1963

STATE ENGINEER
Stanford

1. William Nelson for Frank Kerr of _____
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4

Sec. 20 T. 16 R. 13

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based Stock Water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Approximately 1950
and is in continuous use.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump installed. Electric Service.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started in 1950 and completed that year.
8. The depth of water table Not known
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Depth of well 11 ft.-- Dug well and bricked walls.
10. The estimated amount of groundwater withdrawn each year not known
11. The log of formations encountered in the drilling of each well if available No Log.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None

Frank Kerr

Signature of Owner By William NelsonDate Nov. 19th, 1963. Lessee

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

File No. 4264

SE 1/4 Sec. 20

Twp. 16, Rge. 13 E.

State of Montana
County of Judith Basin

Filed this 19th day of
November, A.D. 1963 at
3:30 o'clock P.M.

Deleah K. Carter
County Clerk.

Fee \$2.00 Paid.

T. 16 R. 13

County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner Oscar T. Anderson Address Stanford, Montana
Oscar T. Anderson, Jr.

Driller O. C. Thatcher Address Stanford, Montana

Date Started March, 1952 Date Completed March, 1952

Location: Sec. 23 T. 16 R. 13 1/4 sec. NE 1/4 NE 1/4

Type of well drilled (Dug, driven, bored, or drilled) Equipment used Rotary (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other:

Casing: 0 ft. to 205 ft. Type Galvanized Size 2 inches

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 185 to ft. 205 Ft. to ft.

Type of screen or perforations perforated casing

Static Water level, for non-flowing well: feet.

Shut-in pressure, for flowing well: 50 lb./sq. in. on: March, 1952 (date)

Pumping water level: feet at gal. per min.

How tested:

Length of test:

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Flowing well

(over)

File No.

T 16 R 13

DUPLICATE

County Judith Basin

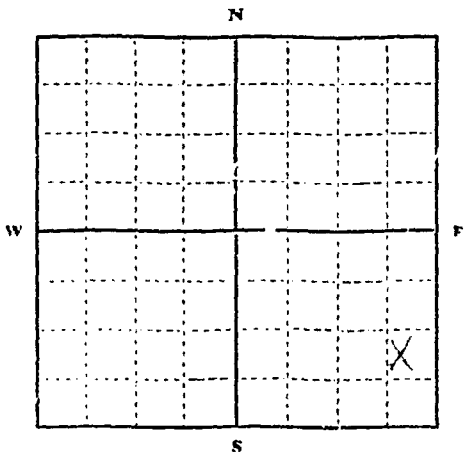
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 15 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. AXEL F. WILLIAMSON, of STANFORD
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec 3 T.16 R.13

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based for the home, irrigating, and stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Spring of 1957, full time use for above listed purposes.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 15 acres and garden irrigation owned by Axel F. Williamson.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal ARTISAN
SE 1/4 Sec 3 T.16 R.13
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 15 started - completed - May 10, 1957
8. The depth of water table 1235 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater ARTISAN - 12-14 ft. per minute
1235 feet deep.
10. The estimated amount of groundwater withdrawn each year 12000 gal.
11. The log of formations encountered in the drilling of each well if available Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not previously recorded

Signature of Owner

Axel F. Williamson
James L. Kirk lease

Date December 31 - 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

32813

File No. 557

AXEL E. SIMILSON

Sec. 23-16-13

State of Montana

County of Judith Basin

Filed this 31st day of
December A. D. 1963 at
2:30 o'clock P.M.

Delight H. Kerkia
County Clerk.

Fee \$2.00 Paid.

File No.

T. 16^N R. 13^E

DUPLICATE

County Judith Basin

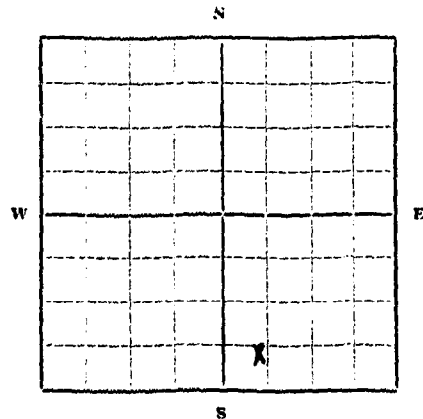
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Earl M. and Lois M. Dubois of Stanford
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4

Sec. 27 T 16 R 13

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1946 and is in continuous use. (1946)
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No irrigation.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Flowing well
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started in 1946 and completed that year. drilled by O. C. Thatcher.
8. The depth of water table flows over the top.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater well is 420 ft. in depth, cased with 2" casing, shut-off installed.
10. The estimated amount of groundwater withdrawn each year Not known.
11. The log of formations encountered in the drilling of each well if available No log available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None.

Signature of Owner Earl M. DuboisDate Dec. 23rd, 1963.

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

32617

File No. 340

SW-SE- Sec. 27-16-13

EARL M. AND LOIS M. DUBOIS

122075

State of Montana
County of Judith Basin

Filed this 23rd day of
December A. D. 1963 at 9:30
o'clock A.M.

Michael H. Leake
County Clerk.

Fee \$2.00 Paid.

RECEIVED

File No.

T. 16 R. 13

QUADRUPLICATE

County Judith Basin

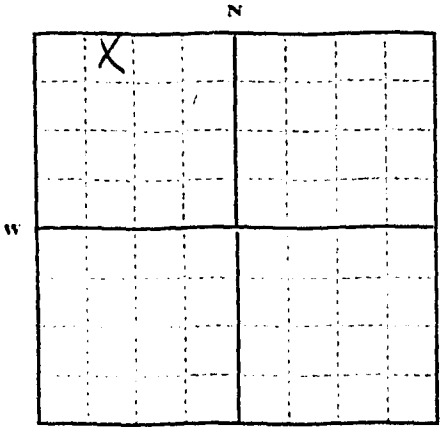
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Doc. No. 738
Filed for record
this 12 day of November
A. D. 19 71, at 3:30
o'clock P. M.

Date of Appropriation of Groundwater Oct 15, 1971
Owner L. H. Clark Address Rt 3 Stanford
Contractor (if any) Russel Ridgeway
Address of Contractor Rt 3 Stanford
Date Started Oct 1, 1971 Date Completed Oct 15, 1971



NW NW
1/4 Sec. 27 T. 16 R. 13
Indicate point of appropriation
and place of use, if possible.

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Dug a hole in the ground & developed a spring. The hole is 8 deep

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use. Used to water livestock for about 3 month. It runs about 10 gallons a minute

Signature of Owner L. H. Clark
Date Nov 12 - 1971

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

No. 738

G. W. Clark

NW, Sec. 27-16-1

State of Montana
County of Judith Basin

Filed this 12th day of
November A.D. 1971 at 3:30
P.M.

G. W. Clark
County Clerk.

Form No. 18
8-60

T. 16 R. 13

County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

2		

Owner Orville Whitfield Address Winifred

Driller Robert Vogels Address Casper, Wyoming

Date Started 8/2/61 Date Completed 8/3/61

Location: Sec. 28 T. 16 R. 13 $\frac{1}{4}$ sec. NW NW

Type of well Drilled Equipment used Rotary
(Dug, driven, bored, or drilled) (Churn, drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other _____

Casing: 0 ft. to 110 ft. Type Plastic Size 4"

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 60 to ft. 110 . Ft. _____ to ft. _____

Type of screen or perforations _____

Static Water level, for non-flowing well: 110 feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____ (date)

Pumping water level _____ feet at _____ gal. per min. _____

How tested: _____

Length of test _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Log of Well

[illegible]

File No.

DUPLICATE

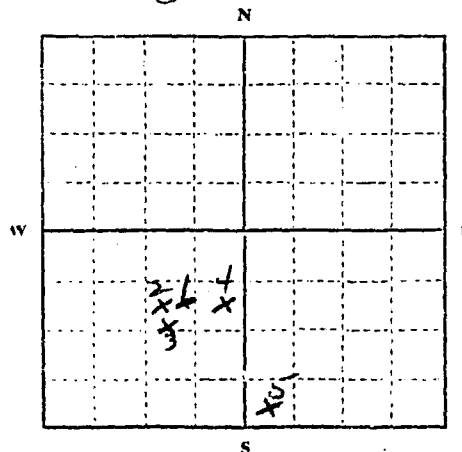
T. 16 R. 13
County Judith BasinSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1951)

JAN 15 1964

STATE ENGINEER

1. W. L. Stewart, of Windham
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

S. 10 1/2 Sec. 28 T. 16 R. 13

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based Stock
Water and Domestic use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been No. 1 1902 use continuous
No. 2 1925 use continuous. No. 3 1960
use continuous and No. 4 and 5 use
No. 5 just completed
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gals. per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal are
springs and one pumped.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1902 to 1960
8. The depth of water table 6 to 10 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
#1 spring
#2 well 6 ft deep
#3 well 10 ft deep
#4 well 10 ft deep
#5 spring
10. The estimated amount of groundwater withdrawn each year 750,000 gal per yr
11. The log of formations encountered in the drilling of each well if available none drilled
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner

Wallace L. Stewart
Date Dec 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

33788

#512

VESTED EMINENT DOMAIN RIGHTS
MALLARD L. STEWART

Sec. 28-16-13

State of Montana
County of Judith Basin

Filed for record this 31st
day of Dec. A.D. 1963 at 1:00
o'clock P.M.

Delight Leslie, Clerk and R.C.

by _____ Dep.

Fee \$2.00 pd.

File No.

T. 16 R. 13

DUPLICATE

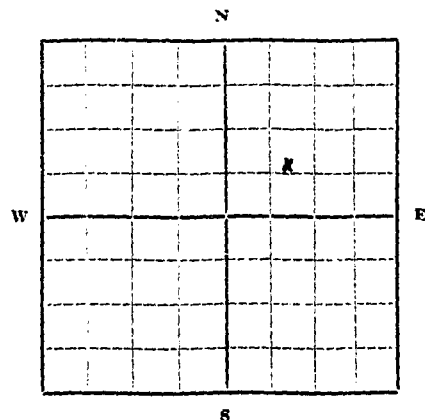
County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
DEC 12 1963
STATE ENGINEER

1. Howard J. and Shirley Neill of Windham
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4

Sec. 29 T. 16 R. 13

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based Stock Water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1961 and is used during the summer.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 to 7 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump with electric motor installed.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started in 1961 and completed that year.
8. The depth of water table 3 ft. from top.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Cribbed with 2 x 6-- 8 ft. in depth.
10. The estimated amount of groundwater withdrawn each year Not known.
11. The log of formations encountered in the drilling of each well if available No log.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. None

Signature of Owner Howard J. Neill

Date Dec. 10th, 1963.

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

8586

277

HOWARD J. WEILL
JAMES Sec. 29- 16-13

121947

State of Montana
County of Judith Basin

Filed this 10th day of
December A. D. 1963 at 12x
11:05 A.M.

Howard J. Weill
County Clerk.

Form No. 18
8-60

T. 16 R. 13

County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

RECEIVED

WATER WELL LOG

STATE ENGINEER

		X

Owner Howard J. Neill Address Winham, Montana

Driller Ruben Voegels Address Casper, Wyoming

Date Started 8/3/61 Date Completed 8/4/61

Location: Sec. 30 T. 16 R. 13 $\frac{1}{4}$ sec. SE SE

Type of well Drilled Equipment used Rotary
(Dug, driven, bored, or drilled) (Churn, drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other _____

Casing: 0 ft. to 120 ft. Type Plastic Size 4"

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 30 to ft. 120. Ft. _____ to ft. _____

Type of screen or perforations _____

Static Water level, for non-flowing well: 30 feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____
(date)

Pumping water level _____ feet at _____ gal. per min.

How tested: _____

Length of test _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Log of Well

[illegible]

Form No. 18
8-60

T. 16 R. 13

County Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

		X

Owner Bert Horn Address Wincham, Montana

Driller Ruben Veezala Address Casper, Wyoming

Date Started 8/7/61 Date Completed 8/7/61

Location: Sec. 30 T. 16 R. 13 $\frac{1}{4}$ sec. NE NE

Type of well Drilled Equipment used Rotary
(Dug, driven, bored, or drilled) (Churn, drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other _____

Casing: 0 ft. to 100 ft. Type Plastic Size 4"

Casing: _____ ft. to _____ ft. Type _____ Size _____

Casing: _____ ft. to _____ ft. Type _____ Size _____

Perforated or Screened: Ft. 10 to ft. 100 . Ft. _____ to ft. _____

Type of screen or perforations _____

Static Water level, for non-flowing well: 20 feet.

Shut-in pressure, for flowing well: _____ lb./sq. in. on: _____
(date)

Pumping water level _____ feet at _____ gal. per min.

How tested: _____

Length of test _____

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

Log of Well

[illegible]

File No.

DUPLICATE

T. 16 R. 13

County. Judith Basin

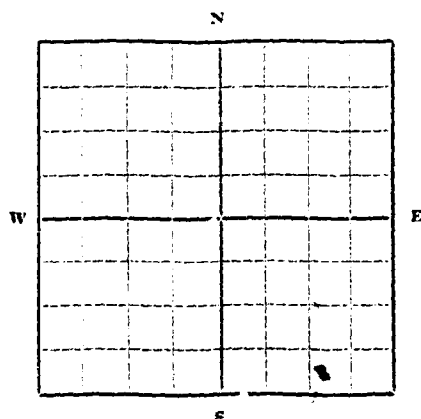
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 12 1963

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Howard J. and Shirley Neill of Windham
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 30 T. 16 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock Water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Approx 1915 and has been in continuous use.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons to 15 per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Flowing well, comes to surface and flows into a dam.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started in 1915 and work done on this well in 1920.
8. The depth of water table
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well is 15 ft. in depth. Well is cased with 2 x 6 and water comes to top. - Flowing well. - Hand dug.
10. The estimated amount of groundwater withdrawn each year Not known
11. The log of formations encountered in the drilling of each well if available No log.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Howard J. Neill

Date Dec. 9th, 1963.

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1585

No. 276

WILL

HOWARD J. NEILL

SE 3E Sec. 30- 16-13

121946

State of Montana)
County of Judith Basin)

Filed this 10th day of Dec.
A.D. 1963 at 11:00 o'clock
A.M.

Deborah L. Paulie
County Clerk.

Fee \$2.00 Paid.

File No.

T. 16 R. 13

DUPLICATE

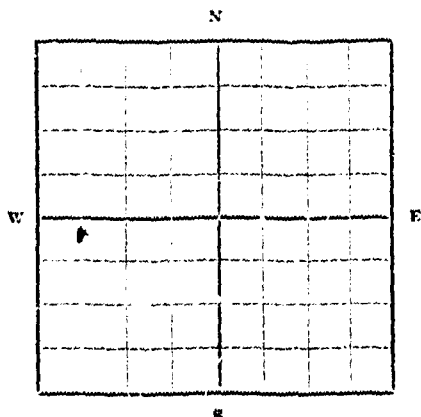
County Judith Basin

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Harold Roessler of Widham
(Name of Appropriator) (Address) (Town)
County of Judith Basin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Widham
Sec. 32 T. 16 R. 13

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been March, 1951
and used continuously
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Flowing well which flows into a pond
to be used for a reservoir supply. Pond is
situated by the well
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Flowing well
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March, 1951
8. The depth of water table Not known
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Auger Drilled well—Depth of well 325 feet. 2" pipe installed in well.
17 to 30 lbs. pressure. Shut-off installed above ground.
10. The estimated amount of groundwater withdrawn each year Not known
11. The log of formations encountered in the drilling of each well if available Log not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Harold Roessler

Date Mar. 20th, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

Doc. Number 119067

DECLARATION OF VESTED GROUNDWATER
RIGHTS
HAROLD ROESLER

STATE OF MONTANA)
COUNTY OF JUDITH BASIN) ss.

Filed this 20th day of March
A. D. 1962 at 2:15 P.M.

Rebecca L. Leslie
County Clerk.

Fee \$2.00 Paid.